



## PATENT ABSTRACTS OF JAPAN

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HARA MINORU**(54) **PIEZOELECTRIC ELEMENT ACTUATOR**

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(57) Abstract:

**PURPOSE:** To prevent the generation of soldering inferiority by facilitating the alignment of a piezoelectric element and the land of FPC by providing a notch part to the part corresponding to the corner of the piezoelectric element and winding a lead wire around the peripheral surface of the piezoelectric element to electrically connect the same to the piezoelectric element.

**CONSTITUTION:** An L-shaped lead wire 20 is used by winding one side thereof around a piezoelectric element 10A and oval notch parts 20c, 20d, 20e, 20f are provided to the lead wire 20 at the part corresponding to the corner of the piezoelectric element 10A when the lead wire is wound around the piezoelectric element 10A. The notch parts are formed so as to have a semi-oval, circular or square shape. By providing the notch parts, even FPC having predetermined rigidity can be brought into close contact with the surface of the piezoelectric element 10A without being levitated from the element and positioning becomes easy and workability becomes excellent.

